



BHARATH HEAVY ELECTRICAL LIMITED
RAMACHANDRAPURAM
HYDRABAD-502032
ANDHRA PRADESH, INDIA

Phones: 040-23182306

ENQUIRY

PURCHASE DEPARTMENT/CMM

OFFICE COPY	Enquiry No.	Enq. Date	No. of. Items	DUE DATE OF QUOTATION
	P5A1P20478	22.02.2016	01	15.03.2016

Enq. Sl.No	Indent (MPR) Nos.	Material Code	Drawing No. Description & Specification	Unit	Quantity	Delivery Schedule	
						Date	Quantity
01	1200020478/10	HY7802363217	<p>LED SOLAR TRAFFIC BLINKER WITH POLE SUPPLY, INSTALLATION, COMMISSIONING OF SOLAR BASED LED TRAFFIC ROAD SAFETY BLINKER WITH YELLOW LIGHT WHICH INCLUDES 30Wp SOLAR MODULE OF MULTI CRYSTALLINE SILICON, 12V/17AH SEALED MAINTENANCE FREE BATTERY, LED BLINKING UNIT WITH IP-65 PROTECTION AND WEATHER PROOF POWEDER COATING, IN BUILT BATTERY TYPE, CHARGING AND DISCHARGING INDICATIONS, CHARGE CONTROLLER UNIT WITH ALL PROTECTION FEATURES, GI/MS POLE WITH 4MTR HEIGHT WITH NECESSARY SPARES REQUIRED. ALSO INCLUDES NECESSARY CIVIL WORKS FOR COMPLETION OF TASK (TECHNICAL SPECIFICATIONS INCLUDING TERMS AND CONDITIONS, PRE-QUALIFICATION REQUIREMENTS ARE ATTACHED) TECHNICAL SPECIFICATIONS:</p> <ol style="list-style-type: none">1.Product : Solar based Traffic Road safety LED Blinker 24Hrs operation (Day & Night)2. Application : Road Safety (Out-door)3. LED type : 5MM round4. LED panel Size: 12" (300mm) Dia.5. Number of LED : Not less than 150 no's6. Color : Yellow7. Lumen output : More than 600 Lumens8. Dispersion Angle: 55 to 60 degree9. Color Temp : 2000 to 4000 deg K10. CRI : >7511. Input voltage : 12V DC operated12. Total LED power: 4W to 8W13. Autonomy : 3 days14. Protections : Advance microprocessor based solar charge controller with Short circuit, Over voltage, Over current, Over charge protections15. Indications : Discharging (Red LED) , Charging (Green LED)16. Battery: 12V Minimum 17AH Sealed Maintenance Free Battery (Make: Exide/Amara Raja/Luminous/Southern/ Gowell with 2 years warranty).	EA	20.00	17.04.2016	20.00

17. Solar PV Module: Minimum 30 Wp (Any make with IEC/MNRE Approval)
18. Fixture : Metal Sheet with weather proof powder coating
19. IP rating : IP 65
20. Battery System : In built only
21. Pole Height : 4 meters pole of GI/MS with OD 75mm to 110mm and thickness 2to4mm and painted in Yellow & Black strips
22. Visibility : More than 500Mtr
23. Accessories: Frame for solar panel, Clamps, Connectors, cables etc.
24. Mounting : Installation with minimum 1 to 1 ½ feet deep inside concrete and coping with concrete for ½ to 1 feet above the ground
25. Terms and conditions : Submit test certificates for offered battery and PV module along with technical bid
26. Pre-qualification: Bidder must have successfully executed supply or supply, installation, commissioning of solar based LED traffic road safety blinkers
27. Warranty: 15 Years for solar PV module, 2years for battery and minimum 1 year for electronic charge controller and protection circuits (Free service for repair/rectification of faults to ensure serviceability of complete unit for a period of minimum 1 year from the date of commissioning).

Special Remarks:-

1. VENDOR MUST MENTION THE MAKE OFFERED FOR BATTERY, PV MODULE, GI/MS POLE ALONG WITH TECHNICAL BID.
2. VENDOR FROM OTHER STATES NEED TO HAVE SERVICE REPRESENTATIVE AT HYDERABAD TO ENSURE FOR SERVICEABILITY OF BLINKERS DURING WARRANTY PERIOD OF 1 YEARS FROM THE DATE OF COMMISSIONING
3. MATERIAL SHALL BE SUPPLIED WITH IN 4 WEEKS AFTER PO RELEASE AND WORK TO BE COMPLETED IN 45 DAYS PERIOD FROM THE DATE OF PO.
4. ALL MATERIAL SHALL BE PRODUCED AT BHEL K GATE FOR NECESSARY GOODS RECEIPT INSPECTION AND SHALL BE PRESERVED IN THE PLACE PROVIDED BY BHEL FOR SUBSEQUENT INSTALLATION WORKS AT SUPPLIERS COST.
5. PAYMENT WILL BE MADE AS PER BHEL NORMS
6. WARRANTY IS REQUIRED FOR PERFORMANCE OF COMPLETE UNIT FOR 1 YEARS FROM THE DATE OF COMMISSIONING. REPAIR/REPLACEMENTS DURING THIS PERIOD SHALL BE FREE OF COST.

7. ACCEPTENCE OF TECHNICAL SPECIFICATIONS, TERMS AND CONDITIONS AND PRE QUALIFICATION REQUIREMENTS ATTACHED SHALL BE GIVEN ALONG WITH TECHNICAL BID. IN ABSENCE OF THIS WITH TECHNICAL BID THE OFFER WILL BE LIABLE TO BE REJECTED
8. PRICE BID TO BE SUBMITTED IN THE FORMAT ATTACHED

Remarks:

- 1) THIS ENQUIRY IS IN TWO PART BID SYSTEM.
- 2) GCC & ITB ARE ENCLOSED.
- 3) PVC (Price variation clause) is not applicable. Offer with PVC shall be rejected. Hence all are requested to quote firm price only.
- 4) Price bid to be submitted in format attached only.
- 5) Please send your valid offer/ regret letter /signed and stamped on or before 15.03.2016 without fail. Tenders should reach before 10:00 Hrs. Tenders will be opened at 13:00 Hrs.
- 6) Offers should be submitted to the below address:-
To,
DGM/CMM,
Supplier Development cell
Vendor Complex,
BHEL- R.C.Puram
Hyderabad, and Telangana.
- 6) Offers must be sent in a sealed cover on which tender enquiry number and the due date shall be super scribed and sent by appropriate mode to above address or dropped in tender box located at vendor complex on or before the specified time of submission of offers, preferably in the bidder's envelope.
- 7) Bidder can also submit offer through email at his own risk. The offer to be submitted in two parts. Technical offer to be submitted to technicalbid@bhelhyd.co.in, and price bid to be submitted to pricebid@bhelhyd.co.in. Interchanging the information in the mails may lead to rejection of the offer. Supplier shall have no claim on e-mail offers sent on any other e-mail ID. BHEL is no way responsible for non-receipt of offers sent thru email due to server break down / Internet failure / transmission error etc. In case of e-mail offers, the mail subject should contain Enquiry No., Due date and Supplier name. Supplier address including contact details shall be mentioned in the content of the mail. Without these details offer may be liable for rejection.

TEST CERTIFICATE REQ: YES
GUARANTEE RAQ: YES
SAMPLE REQ: NO

For and on-behalf of
Bharat Heavy Electricals Limited

K.SREENU
PUR. OFFICER / PURCHASE/CMM